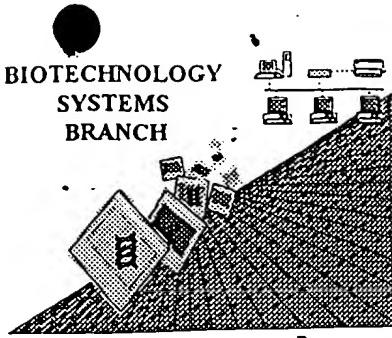# RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _09/254, 853_

Source: _OIPE_

Date Processed by STIC: _1/23/2001_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).
Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
http://www.uspto.gov/web/offices/pac/checker

OIPE

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                RAW SEQUENCE LISTING              DATE: 01/23/2001
                PATENT APPLICATION:  US/09/754,853    TIME: 15:39:47

                Input Set : D:\pa_00330.txt
                Output Set: N:\CRF3\01232001\I754853.raw
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Does Not Comply
Corrected Diskette Needed

see p. 5, too

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  1 <110> APPLICANT: Parnell, Laurence D.
  2        Hauge, Brian M.
  3        Parsons, Jeremy D.
  4        Wang, Ming Li
  6 <120> TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules
Associated With
  7        Soybean Cyst Nematode Resistance
  9 <130> FILE REFERENCE: 38-10(15810)B
 11 <140> CURRENT APPLICATION NUMBER: US/09/754,853
 11 <141> CURRENT FILING DATE: 2001-01-05
 11 <150> PRIOR APPLICATION NUMBER: US 60/174,880
 13 <151> PRIOR FILING DATE: 2000-01-07
 15 <160> NUMBER OF SEQ ID NOS: 1123
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 127197
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 20 <213> ORGANISM: Glycine max
 22 <223> OTHER INFORMATION: Seq ID: 515002_region_G2
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 32 cattttttag ttaatttcat caccttcata cgtgttgaat gctatataat taatatatca    240
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 46 tcaccttcag ctccacggtc tgtaattgct tcttgttctt gttcttgttg ttgtgttggt    660
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insert this mandatory numeric identifier whenever <221>, <222>, or <223> is shown

→ *<220>*

The types of errors shown exist _throughout_ the Sequence Listing. Please check subsequent sequences for similar errors.

1/23/01

RAW SEQUENCE LISTING   DATE: 01/23/2001
PATENT APPLICATION: US/09/754,853   TIME: 15:39:47

Input Set : D:\pa_00330.txt
Output Set: N:\CRF3\01232001\I754853.raw

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 98 agctactaga ccaattgacc aaagaagttt cgtcttttaa attcttttcc catcttgttt   2220
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104 taactaaccc actaaataat cttttttca attagcaaaa ctgctgaaag ctcagtccca   2400
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108 agtgtgggtg agaacagaaa agagaagcat gcgtcaggat accaccctaa actaaagtat   2520
110 gtgcttaagt tttgaagtac cggaggtata caccaaaggc ttagtttcat ttgcattaac   2580
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RAW SEQUENCE LISTING   DATE: 01/23/2001
PATENT APPLICATION: US/09/754,853   TIME: 15:39:47

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Output Set: N:\CRF3\01232001\I754853.raw

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RAW SEQUENCE LISTING   DATE: 01/23/2001
PATENT APPLICATION: US/09/754,853   TIME: 15:39:48

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Output Set: N:\CRF3\01232001\I754853.raw

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RAW SEQUENCE LISTING   DATE: 01/23/2001
PATENT APPLICATION: US/09/754,853   TIME: 15:39:48

Input Set : **D:\pa_00330.txt**
Output Set: **N:\CRF3\01232001\I754853.raw**

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392 catgataatt tgactaatta atactttTag tgaaggagac gtattttaaa agataaagta 11040
394 taattataat aataattaat aaaataaata acgattaata tttagtaatt tcattctatg 11100
396 taatattagt atgatctcaa ctcaactgat aattttcaag ataatagtta taattgcact 11160
398 ctgtggaatc ttaagttctt tctccaaaga aaaaaaaaaa cattttttct tccccttgtc 11220
400 gtgttctctt attctgccat ctccaattct gttcacaatc gtaggttgtg ccgccaatga 11280
402 tgtttaatga taaagatcaa atacgtttgc aatgaatcgg gatgacaaga ctgagacaac 11340
404 caataggtga agctaaccaa tgcacaagtg ctccaatcaa taaaacaggc ccaaaaaggt 11400
406 ggggtggtcc aaaatgtgaa ggtaagttta agtagggtgt tcacgccttg gattgcgtct 11460
408 gtgtaaatcc gtcacccaat ccaaacaaaa aatattggat ggatttgtgt gttttttcttt 11520
410 ttaaatcgac ctaatctgat catgaatgaa tttgatcgag atggatttgt tattaaaaaa 11580
412 agttcaaaaa taattttctt aaatttttta aaatatttt tagaatttac aatacaatta 11640
414 cttgtaatat agttgcataa aaaaaattaa ccaccaattt caatgcacat attaactgca 11700
416 tcataaaatc aaattgaaaa caagtaacca acaaacattt aatttataaa gcaaataata 11760
418 ctaaatcaaa tttcaaccat aaagcagata acaaattgtc ttgaaaactt agtaatctta 11820
420 taaagtacac actagtacaa aataaactta aaatcatccc aaaaaatata taatactaca 11880
422 atagaaacac tgcaatatag tgataatgtc agacaattgc tcaaccagcc aacctcacac 11940
424 atagaaacac ggtaagcaaa agatcaaaat caattattat actaataata aatttaaatt 12000
426 atgctatgca gaaaaaagaa atatgccaaa aaagaaatca tatcataaac taagttaaaa 12060
428 atattacctt aagaactaat agtcctaact cccaatacta atactcctaa gaatagtcca 12120
430 agtagtaatc ctaacactaa cattatttaa agtcaaacca tacaacttta aaaaatgttt 12180
432 taaaaagttc atcataacat aatatcaatt tatattcata ttgtaaacaa acggaaaaaa 12240
434 aaaaagaaac tattattgaa tacctagttc catctttttt gtttcatcta attcaactcg 12300
436 taaatcaccg acattttgct tattagtttt gagtcaattt tgggtacaaa tcaaagcttc 12360
438 aacagtaatg ggacttaaag aactacaaaa atggatcaag cactcaacct tttgtactaa 12420
440 atgcagactc aaatgacaca atagacataa gaatgaccaa tatatctcta gccatgaaag 12480
442 aaataacatg atatttggat gctttcattt tccaccatgc caaaatgtca aatccaagac 12540
444 cgtcatcttc attgtcatcc tttaaataca tatccaactc actcctttgc tattcaccac 12600
446 attttttatt cattttcaat ctaaattggt cgtcccaatc ctcatcctca tcaacatcgt 12660
448 tggcattacc ttgtgaagca tggtatgaag ccaaagtact agaattacta ctatcaatgg 12720
450 aaataggatg ttctgaagca tattcaacaa acattttct tataagatca tccaattttt 12780
452 tcagcatctc tttggtttgg tcaacaccat gcattttctt aaaacaaaac tcaatataat 12840
454 caaatttata acacagatca agaaaagcag tcacaaataa aagatagcta atctgatcac 12900
456 tctctcaata cttgttaaac ttgagttgca tattagttgt ctcttttgta tcaccggatc 12960
458 atcctcatgc ctccatctat ttaggcattt ctgaatagta accaacttct taaagaaatt 13020
460 cttagctgta acatgtagtg acccagaaaa aaaaattgca tcatagaaaa cttt caaaaa 13080
462 actcacaaac acacgagcat gtttctaatc catctcttta ggacatcctc cttcactatt 13140
464 tagaagagtg agcacatatg cagcctcaac atactcataa cgattgaaag cttgttcaaa 13200
466 ttttcagcaa catctaacat caaataagtg gagtgaccca gaaaaaaaa ttgcatcata 13260
468 gaaaactttc aaaaaactca caaacacacg agcacgtttc taatccatct ctttaggaca 13320
470 tcctccttca ctatttagaa gagtgagcac atatgcagcc tcaacatact cataacgatt 13380
472 gaaagcttgt tcaaattttc agcaacatct aacatcaaat aagtggagtt ccatctggtt 13440
474 ggcacattaa gtgttagcat tgcctttgaa tttacactaa cgtcctccgc acacctcttt 13500
```

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220> to
<223> fields of each sequence which presents at least one n or Xaa.

FYI

VERIFICATION SUMMARY .   DATE: 01/23/2001
PATENT APPLICATION: **US/09/754,853**   TIME: 15:39:49

Input Set : **D:\pa_00330.txt**
Output Set: **N:\CRF3\01232001\I754853.raw**

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:5859 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 2
L:6021 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 2
L:17361 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 3
L:35814 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:35816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:37292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:37294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:37656 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:37658 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:37660 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:37662 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:37668 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:44618 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 8
L:44780 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 8
L:45076 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 9
L:45382 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 10
L:45680 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 11
L:45985 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 12
L:46281 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 13
L:46427 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 14
L:46589 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 14
L:46885 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 15
L:47031 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 16
L:47193 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 16
L:47489 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 17
L:47795 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 18
L:48095 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 19
L:48398 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 20
L:48698 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 21
L:49001 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 22
L:49301 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 23